

Witcom PP-EC-HI

PP

Wittenburg B.V.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|------------------|-------------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 1.6 | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Strength | 25 | MPa | ISO 527 |
| Strain at break | 25 | % | ISO 527 |
| Flexural modulus, 23°C | 1600 | MPa | ISO 178 |
| Flexural strength | 35 | MPa | ISO 178 |
| Izod impact strength, +23°C | N | kJ/m ² | ISO 180/1U |
| Izod notched impact strength, +23°C | 50 | kJ/m ² | ISO 180/1A |
| Thermal properties | | | |
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 60 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 120 | E-6/K | ISO 11359-1/-2 |
| Burning behav. at thickness h | HB | class | IEC 60695-11-10 |
| Thickness tested | 3.0 | mm | - |
| Electrical properties | | | |
| ASTM Data | | | |
| Surface Resistivity | 1000 | Ohm | ASTM D 257 |
| Other properties | | | |
| Water absorption | 0.04 | % | Sim. to ISO 62 |
| Humidity absorption | 0.01 | % | Sim. to ISO 62 |
| Density | 1010 | kg/m ³ | ISO 1183 |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Processing humidity | ≤0.05 | % | - |
| Melt temperature | 200 - 260 | °C | - |
| Mold temperature | 40 - 80 | °C | - |
| Back pressure | 0 - 1 | MPa | - |

Characteristics**Processing**

Injection Molding

Regional Availability

Europe

Special Characteristics

Increased electrical conductivity, High impact or impact modified